



State of Idaho
Department of Environmental Quality
Air Quality Division

**AIR QUALITY PERMIT
STATEMENT OF BASIS**

Tier I Operating Permit No. T1-2008.0167

Draft for Public Comment and Affected States Review/Proposed for EPA

University of Idaho

Moscow Campus

Moscow, Idaho

Facility ID No. 057-00025

December 5, 2008

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Permit Writer

The purpose of this Statement of Basis is to set forth the legal and factual basis for the Tier I operating permit terms and conditions including references to the applicable statutory or regulatory provisions for the terms and conditions as required by IDAPA 58.01.01.362

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Acronyms, Units and Chemical Nomenclature

AFS	AIRS Facility Subsystem
AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	carbon monoxide
COMs	Continuous Opacity Monitor
DEQ	Department of Environmental Quality
gr	grain (1 lb = 7,000 grains)
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
hp	horsepower
IC	internal combustion (refers to an engine)
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
m	meter(s)
MACT	Maximum Achievable Control Technology
MRRR	Monitoring, Recordkeeping and Reporting Requirements
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PC	permit condition
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTC	permit to construct
PTE	potential to emit
Rules	Rules for the Control of Air Pollution in Idaho
scf	standard cubic feet
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SM	Synthetic Minor
SO ₂	sulfur dioxide
SO _x	sulfur oxides
Tier I	Tier I operating permit
T/yr	tons per year
µg/m ³	micrograms per cubic meter
U of I	University of Idaho
UTM	Universal Transverse Mercator
VOC	volatile organic compound

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1. INTRODUCTION AND APPLICABILITY

IDAPA 58.01.01.362 requires that as part of its review of the Tier I application, DEQ shall prepare a technical memorandum (i.e. statement of basis) that sets forth the legal and factual basis for the draft Tier I operating permit terms and conditions including reference to the applicable statutory provisions or the draft denial. This document provides the basis for the modified final Tier I operating permit for the University of Idaho.

The format of this Statement of Basis follows that of the permit with the exception of the facility's information discussed first followed by the scope, the applicable requirements and permit shield, and finally the general provisions.

University of Idaho Tier I operating permit is organized into sections. They are as follows:

Section 1 – Tier I Operating Permit Scope

The scope describes this permitting action.

Section 2 – Facility-Wide Conditions

The Facility-wide Conditions section contains the applicable requirements (permit conditions) that apply facility-wide. Where required, monitoring, recordkeeping and reporting requirements sufficient to assure compliance with each permit condition follows the permit condition.

Sections 3 through 5 – Wood Waste-Fired Boiler (S-BA), Natural Gas-Fired Boilers (S-BB, S-BC, and S-BD), and Diesel-Fired Emergency IC Engines (S-G01, S-G02, and S-G03)

The emissions unit-specific sections of the permit contain the applicable requirements that specially apply to each regulated emissions unit. Some requirements that apply to an emissions unit (e.g. opacity limits) may be contained in the facility-wide conditions. As with the facility-wide conditions, monitoring, recordkeeping and reporting requirements sufficient to assure compliance with each applicable requirement immediately follows the applicable requirement.

Section 6 – Non-applicable Requirements and Insignificant Activities

This section lists those requirements that the applicant has requested as non-applicable, and DEQ proposes to grant a permit shield in accordance with IDAPA 58.01.01.325.

If requested by the applicant, this section also lists emissions units and activities determined to be insignificant activities based on size or production as allowed by IDAPA 58.01.01.317.01.b.

Section 7 – General Provisions

The final section of the permit contains standard terms and conditions that apply to all major facilities subject to IDAPA 58.01.01.300. This section is the same for all Tier I sources. These conditions have been reviewed by EPA and contain all terms required by IDAPA 58.01.01 et al as well as requirements from other air quality laws and regulations. Each general provision has been paraphrased so it is more easily understood by the general public; however, there is no intent to alter the effect of the requirement. Should there be a discrepancy between a paraphrased general provision in this statement of basis and the rule or permit, the rule or permit shall govern.

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2. FACILITY INFORMATION

2.1 Facility Description

University of Idaho's (U of I) primary campus is located in Moscow, Idaho. The facility covers approximately 1,200 acres. The facility is comprised of educational instruction buildings, research buildings, various student housing units, activity centers, and infrastructure to support day-to-day operations at U of I.

The facility contains numerous individual buildings that house the instructional and research functions. Some buildings are equipped with domestic hot water heaters, small boilers, and small furnaces, which are generally fired on natural gas.

The most significant emissions sources at the facility are located in the power building, where the four main boilers provide steam for space heating during cold weather and space cooling through an absorption chiller system during the summer. Three of these boilers are fired exclusively by natural gas and the fourth boiler is fired by wood waste and a small amount of paper waste. The other significant sources at the facility are three diesel-fired IC engines used for powering emergency electrical backup generators located at different buildings on the campus.

2.2 Facility Permitting History

2.2.1 Tier I Operating Permit History – Previous 7-year permit term August 2, 2002 to November 25, 2008

The following information is the permitting history of this Tier I facility during the previous seven-year permit term which was from November 26, 2003 to November 25, 2008. This information was derived from a review of the permit files available to DEQ. Permit status is noted as active and in effect (A) or superseded (S).

September 4, 2008	PTC No. P-2008.0079 issued as a modification to Tier II/PTC T2-057-00025 (A)
February 1, 2008	Tier I permit No. T1-2007.0082 was issued as a renewal of the Tier I operating permit (A, but will become S upon issuance of this permit)
June 30, 2006	Tier I permit No. T1-060203 was issued as an Administrative Amendment to the Tier I operating permit to change the responsible official for the facility. (S)
May 20, 2005	Tier I permit No. T1-050205 was issued as an Administrative Amendment to the Tier I operating permit to change the responsible official for the facility. (S)
September 2, 2004	Tier I permit No. T1-040207 was issued as an Administrative Amendment to the Tier I operating permit to change the responsible official for the facility. (S)
July 28, 2003	Tier I permit No. T1-020208 was issued to correct a typographical error discovered by the U of I. (S)
November 18, 2002	Tier I permit No. 057-00025 was issued as the initial Tier I operating permit for the facility. (S)

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September 10, 2002 Tier II permit and PTC No. 057-00025 was issued as the initial Tier II operating permit for the facility. (S)

August 2, 2002 Tier II/PTC No. 057-00025 was issued for a wood waste-fired boiler, two natural gas-fired boilers, three diesel-fired emergency IC engine generators, other typically insignificant point sources including natural gas-fired domestic hot water heaters, small natural gas-fired space heating units, laboratory fume hoods, etc., and fugitive particulate matter emissions resulting from vehicle traffic on paved roads and parking lots, boiler ash handling, and wood-waste material transfer operations. (S)

3. APPLICATION SCOPE AND APPLICATION CHRONOLOGY

3.1 Application Scope

This project is for a Minor Modification to an existing Tier I permit to incorporate previously issued PTC P-2008.0079.

3.2 Application Chronology

October 28, 2008 DEQ received a request for a Tier I operating permit Minor Modification (MM) from University of Idaho. This MM was requested to incorporate previously issued PTC P-2008.0079.

4. EMISSIONS UNITS, PROCESS DESCRIPTION(S), AND EMISSIONS INVENTORY

This section lists the emissions units, describes the production or manufacturing processes, and provides the emissions inventory for this facility. For details regarding the emissions units, process descriptions, and the emissions inventory for this facility, refer to the Statement of Basis for the Tier I No. T1-2007.0082 issued on February 1, 2008 and PTC No. P-2008.0079, issued on September 4, 2008. This information was not changed as a result of this project.

5. EMISSIONS LIMITS AND MRRR

This section contains the applicable requirements for this major facility. For details regarding the emissions limits and monitoring, recordkeeping and reporting requirements (MRRR) for this facility, refer to the Statement of Basis for the Tier I PTC No. P-2008.0079, issued on September 4, 2008. This information was not changed as a result of this project.

5.1 Facility-wide Conditions

Permit Condition 2.1 – Fugitive Dust

All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651.

[IDAPA 58.01.01.650-651, 3/30/07]

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MRRR (Permit Conditions 2.2 through 2.4)

- Monitor and maintain records of the frequency and the methods used to control fugitive dust emissions;
- Maintain records of all fugitive dust complaints received and the corrective action taken in response to the complaint;
- Conduct a monthly facility-wide inspection of all sources of fugitive emissions. If any of the sources of fugitive dust are not being reasonably controlled, corrective action is required.
- Records of each fugitive dust inspection and corrective action taken are to be maintained at the permitted facility.

[IDAPA 58.01.01.322.06, 07, 08, 4/5/2000]

Permit Condition 2.5 – Odors

The permittee shall not allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.

[IDAPA 58.01.01.775-776 (State-only), 5/1/94]

MRRR (Permit Condition 2.6)

- Maintain records of all odor complaints received and the corrective action taken in response to the complaint;
- Take appropriate corrective action if the complaint has merit, and log the date and corrective action taken.

[IDAPA 58.01.01.322.06, 07 (State-only), 5/1/94]

Permit Condition 2.7 – Visible Emissions

The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

[IDAPA 58.01.01.625, 4/5/00]

MRRR (Permit Condition 2.8)

- Conduct a monthly facility-wide inspection during daylight hours and under normal operating conditions for the purposes of observing points of visible emissions from all emissions units subject to the visible emissions standards.
- Sources that are monitored using a continuous opacity monitoring system (COMS) are not required to comply with this permit condition.
 - Each inspection shall be conducted as follows:
 - Initial see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either:

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- Take appropriate corrective action as expeditiously as practicable to eliminate the visible emissions, and conduct another see/no see evaluation within 24 hours. If the visible emissions are not eliminated, the permittee shall comply with b).

OR

- Perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. If the measured opacity is greater than 20% for the time period specified in Section 625, the permittee shall take corrective action and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130-136.
- Records of each visible emission inspection and each opacity test and corrective action taken are to be maintained at the permitted facility.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00]

Permit Condition 2.9 – Excess Emissions

The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions. The provisions of IDAPA 58.01.01.130-136 shall govern in the event of conflicts between Permit Condition 2.9 and the regulations of IDAPA 58.01.01.130-136.

MRRR

Monitoring, recordkeeping and reporting requirements for excess emissions are provided in Sections 131 through 136.

Permit Condition 2.10 – Performance Testing

If performance testing is required, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by DEQ approval. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests such testing not be performed on weekends or state holidays.

All testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, prior to conducting any performance test, the permittee is encouraged to submit in writing to DEQ, at least 30 days in advance, the following for approval:

- The type of method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

The permittee shall submit a compliance test report for the respective test to DEQ within 30 days following the date in which a compliance test required by this permit is concluded. The compliance test report shall include all process operating data collected during the test period as well as the test results, raw test data, and associated documentation, including any approved test protocol.

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The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to the following address:

Air Quality Permit Compliance
Department of Environmental Quality
Lewiston Regional Office
1118 F St.

Lewiston, ID 83501

Phone: (208) 769-4370 Fax: (208) 769-3451

[IDAPA 58.01.01.157, 4/5/00; IDAPA 58.01.01.322.06, 08.a, 09, 5/1/94]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

However, if performance testing is required, it is to be conducted in accordance with IDAPA 58.01.01.157, including any and all monitoring, recordkeeping and reporting requirements. Emissions-unit specific MRRR will be listed within the permit condition requiring performance testing permit condition.

Permit Condition 2.11 – Monitoring and Recordkeeping

The permittee shall maintain sufficient records to assure compliance with all of the terms and conditions of this operating permit. Records of monitoring information shall include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.322.07, 5/1/94]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

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Permit Condition 2.12 – Reports and Certifications

All periodic reports and certifications required by this permit shall be submitted to DEQ within 30 days of the end of each specified reporting period. Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130-136. Reports, certifications, and notifications shall be submitted to:

Air Quality Permit Compliance
Department of Environmental Quality
Lewiston Regional Office
1118 F St.
Lewiston, ID 83501
Phone: (208) 769-4370 Fax: (208) 769-3451

The periodic compliance certification required by General Provision 21 shall also be submitted within 30 days of the end of the specified reporting period to:

EPA Region 10
Air Operating Permits, OAQ-107
1200 Sixth Ave.
Seattle, WA 98101

[IDAPA 58.01.01.322.08, 11, 5/1/94]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

Permit Condition 2.13 – Fuel Burning Equipment PM Standards

The permittee shall not discharge PM to the atmosphere from any fuel-burning equipment in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas, 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid, 0.050 gr/dscf of effluent gas corrected to 8% oxygen by volume for coal, and 0.080 gr/dscf of effluent gas corrected to 8% oxygen by volume for wood products.

[IDAPA 58.01.01.676-677, 5/1/94]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

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Permit Condition 2.14 – Distillate Fuel Oil Sulfur Content Limits

The permittee shall not sell, distribute, use, or make available for use any distillate fuel oil containing more than the following percentages of sulfur:

- ASTM Grade 1 fuel oil - 0.3% by weight.
- ASTM Grade 2 fuel oil - 0.5% by weight.

[IDAPA 58.01.01.728, 5/1/94]

Permit Condition 2.14.1 – Coal Sulfur Content Limit

The permittee shall not sell, distribute, use, or make available for use, any coal containing greater than 1% sulfur by weight.

[IDAPA 58.01.01.729, 5/1/94]

MRRR – (Permit Condition 2.14.2)

The permittee shall maintain documentation of supplier verification of distillate fuel oil sulfur content on an as-received basis.

[IDAPA 58.01.01.322.06, 5/1/94]

Permit Condition 2.15 – Open Burning

The permittee shall comply with the *Rules for Control of Open Burning*, IDAPA 58.01.01.600-623.

[IDAPA 58.01.01.600-623, 4/02/08T]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

Permit Condition 2.16 – Asbestos (Including Renovation/Demolition Activities)

The permittee shall comply with all applicable portions of 40 CFR 61, Subpart M - Asbestos.

[40 CFR 61, Subpart M]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

Permit Condition 2.17 – Regulated Substances for Accidental Release Prevention

(a)

An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR 68 no later than the latest of the following dates:

- Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR 68.130.

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- The date on which a regulated substance is first present above a threshold quantity in a process.
[40 CFR 68.10 (a)]

(b)

This facility is subject to 40 CFR Part 68 and shall certify compliance with all requirements of 40 CFR Part 68, including the registration and submission of the RMP, as part of the annual compliance certification required by 40 CFR 70.6(c)(5).

[40 CFR 68.215(a)(2); IDAPA 58.01.01.322.11, 5/1/94; 40 CFR 68.215(a)(ii)]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

Permit Condition 2.18 – Recycling and Emissions Reductions

The permittee shall comply with applicable standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

[40 CFR 82, Subpart F]

MRRR

No monitoring is required for this facility-wide condition. As with all permit conditions, University of Idaho must certify compliance with this condition annually, which includes making a reasonable inquiry to determine if this requirement was met during the reporting period.

5.2 Emissions Unit-specific Emissions Limits and MRRR

For details regarding the emissions unit-specific emissions limits and MRRR, refer to the Statement of Basis for PTC No. P-2008.0079, issued on September 4, 2008. This information was not changed as a result of this project.

5.3 General Provisions

Unless expressly stated, there are no MRRR for the general provisions.

General Provision 1 – General Compliance, Duty to Comply

The permittee must comply with the terms and conditions of the permit.

[IDAPA 58.01.01.322.15.a, 5/1/94; 40 CFR 70.6(a)(6)(i)]

General Provision 2 – General Compliance, Need to Halt or Reduce Activity Not a Defense

The permittee cannot use the fact that it would have been necessary to halt or reduce an activity as a defense in an enforcement action.

[IDAPA 58.01.01.322.15.b, 5/1/94; 40 CFR 70.6(a)(6)(ii)]

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General Provision 3 – General Compliance, Duty to Supplement or Correct Application

The permittee must promptly submit such supplementary facts or corrected information upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application. The permittee must also provide information as necessary to address any new requirements that become applicable after the date a complete application has been filed but prior to the release of a draft permit.

[IDAPA 58.01.01.315.01, 5/1/94; 40 CFR 70.5(b)]

General Provision 4 – Reopening, Additional Requirements, Material Mistakes, Etc.

This term lists the instances when the permit must be reopened and revised, including times when additional requirements become applicable, when the permit contains mistakes, or when revision or revocation is necessary to assure compliance with applicable requirements.

[IDAPA 58.01.01.322.15.c, 5/1/94; IDAPA 58.01.01.386, 3/19/99;
40 CFR 70.7(f)(1), (2); 40 CFR 70.6(a)(6)(iii)]

General Provision 5 – Reopening, Permitting Actions

This term discusses modification, revocation, reopening, and/or reissuance of the permit for cause. If University of Idaho files a request to modify, revoke, reissue, or terminate the permit, the request does not stay any permit condition, nor does notification of planned changes or anticipated noncompliance.

[IDAPA 58.01.01.322.15.d, 5/1/94; 40 CFR 70.6(a)(6)(iii)]

General Provision 6 – Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

[IDAPA 58.01.01.322.15.e, 5/1/94; 40 CFR 70.6(a)(6)(iv)]

General Provision 7 – Information Requests

The permittee must furnish, within a reasonable time to DEQ, any information, including records required by the permit, that is requested in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.

[Idaho Code §39-108; IDAPA 58.01.01.122, 4/5/00; IDAPA 58.01.01.322.15.f, 4/5/00;
40 CFR 70.6(a)(6)(v)]

General Provision 8 – Information Requests, Confidential Business Information

Upon request, the permittee must furnish to DEQ copies of records required to be kept by this permit. For information claimed to be confidential, the permittee may furnish such records along with a claim of confidentiality in accordance with Idaho Code §9-342A and applicable implementing regulations including IDAPA 58.01.01.128.

[IDAPA 58.01.01.322.15.g, 5/1/94; IDAPA 58.01.01.128, 4/5/00; 40 CFR 70.6(a)(6)(v)]

General Provision 9 - Severability

If any provision of the permit is held to be invalid, all unaffected provisions of the permit will remain in effect and enforceable.

[IDAPA 58.01.01.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]

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General Provision 10 – Changes Requiring Permit Revision or Notice

The permittee may not commence construction or modification of any stationary source, facility, major facility, or major modification without first obtaining all necessary permits to construct or an approval under IDAPA 58.01.01.213, or complying with IDAPA 58.01.01.220 through 223. The permittee must comply with IDAPA 58.01.01.380 through 386 as applicable.

[IDAPA 58.01.01.200-223, 4/6/05; IDAPA 58.01.01.322.15.i, 3/19/99; IDAPA 58.01.01.380-386, 7/1/02;
40 CFR 70.4(b)(12), (14), (15), and 70.7(d), (e)]

General Provision 11 – Changes Requiring Permit Revision or Notice.

Changes that are not addressed or prohibited by the Tier I operating permit require a Tier I operating permit revision if such changes are subject to any requirement under Title IV of the CAA, 42 U.S.C. Section 7651 through 7651c, or are modifications under Title I of the CAA, 42 U.S.C. Section 7401 through 7515. Administrative amendments (IDAPA 58.01.01.381), minor permit modifications (IDAPA 58.01.01.383), and significant permit modifications (IDAPA 58.01.01.382) require a revision to the Tier I operating permit. IDAPA 58.01.01.502(b)(10) changes are authorized in accordance with IDAPA 58.01.01.384. Off-permit changes and required notice are authorized in accordance with IDAPA 58.01.01.385.

[IDAPA 58.01.01.381-385, 7/1/02; IDAPA 58.01.01.209.05, 4/5/00;
40 CFR 70.4(b)(14) and (15)]

General Provisions 12 and 13 – Federal and State Enforceability

All permit conditions are federally enforceable unless specified in the permit as a state or local only requirement. State and local only requirements are not required under the CAA and are not enforceable by EPA or by citizens.

[IDAPA 58.01.01.322.15.j, 5/1/94; IDAPA 58.01.01.322.15.k, 3/23/98;
Idaho Code §39-108; 40 CFR 70.6(b)(1) and (2)]

General Provision 14 – Inspection and Entry

Upon presentation of credentials, University of Idaho shall allow DEQ or an authorized representative of DEQ to do the following:

- a. Enter upon the permittee's premises where a Tier I source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- d. As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108; IDAPA 58.01.01.322.15.l, 5/1/94; 40 CFR 70.6(c)(2)]

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General Provision 15 – New Requirements During Permit Term

The permittee must continue to comply with all applicable requirements and must comply with new requirements on a timely basis.

[IDAPA 58.01.01.322.10, 4/6/05; IDAPA 58.01.01.314.10.a.ii, 5/1/94;
40 CFR 70.6(c)(3) citing 70.5(c)(8)]

General Provision 16 - Fees

The owner or operator of a Tier I source shall pay annual registration fees to DEQ in accordance with IDAPA 58.01.01.387 through IDAPA 58.01.01.397.

[IDAPA 58.01.01.387, 4/2/03; 40 CFR 70.6(a)(7)]

General Provision 17 – Certification

All documents submitted to DEQ shall be certified in accordance with IDAPA 58.01.01.123 and comply with IDAPA 58.01.01.124.

[IDAPA 58.01.01.322.15.o, 5/1/94; 40 CFR 70.6(a)(3)(iii)(A); 40 CFR 70.5(d)]

General Provision 18 - Renewal

a. University of Idaho shall submit an application to DEQ for a renewal of this permit at least six months before, but no earlier than 18 months before, the expiration date of this operating permit. To ensure that the term of the operating permit does not expire before the permit is renewed, the owner or operator is encouraged to submit a renewal application nine months prior to the date of expiration.

[IDAPA 58.01.01.313.03, 4/5/00; 40 CFR 70.5(a)(1)(iii)]

b. If a timely and complete application for a Tier I operating permit renewal is submitted, but DEQ fails to issue or deny the renewal permit before the end of the term of this permit, then all the terms and conditions of this permit including any permit shield that may have been granted pursuant to IDAPA 58.01.01.325 shall remain in effect until the renewal permit has been issued or denied.

[IDAPA 58.01.01.322.15.p, 5/1/94; 40 CFR 70.7(b)]

General Provision 19 – Permit Shield

Compliance with the terms and conditions of the Tier I operating permit, including those applicable to all alternative operating scenarios and trading scenarios, shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

- a. Such applicable requirements are included and are specifically identified in the Tier I operating permit; or
 - i. DEQ has determined that other requirements specifically identified are not applicable and all of the criteria set forth in IDAPA 58.01.01.325.01(b) have been met.
- b. The permit shield shall apply to permit revisions made in accordance with IDAPA 58.01.01.381.04 (administrative amendments incorporating the terms of a permit to construct), IDAPA 58.01.01.382.04 (significant modifications), and IDAPA 58.01.01.384.03 (trading under an emissions cap).
- c. Nothing in this permit shall alter or affect the following:
 - i. Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers;

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- ii. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of the acid rain program, consistent with 42 U.S.C. Section 7651(g)(a); and
- iv. The ability of EPA to obtain information from a source pursuant to Section 114 of the CAA; or the ability of DEQ to obtain information from a source pursuant to Idaho Code §39-108 and IDAPA 58.01.01.122.

**[Idaho Code §39-108 and 112; IDAPA 58.01.01.122, 4/5/00;
IDAPA 58.01.01.322.15.m, 325.01, 5/1/94; IDAPA 58.01.01.325.02, 3/19/99;
IDAPA 58.01.01.381.04, 382.04, 383.05, 384.03, 385.03, 3/19/99; 40 CFR 70.6(f)]**

General Provision 20 – Compliance Schedule and Progress Reports.

- a. For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
- b. For each applicable requirement that will become effective during the term of this permit and that provides a detailed compliance schedule, the permittee shall comply with such requirements in accordance with the detailed schedule.
- c. For each applicable requirement that will become effective during the term of this permit that does not contain a more detailed schedule, the permittee shall meet such requirements on a timely basis.
- d. For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.

**[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.9, 5/1/94; IDAPA 58.01.01.314.10, 4/5/00;
40 CFR 70.6(c)(3) and (4)]**

General Provision 21 – Periodic Compliance Certification

University of Idaho shall submit compliance certifications during the term of the permit for each emissions unit to DEQ and the EPA as follows:

- a. The compliance certifications for all emissions units shall be submitted annually from October 16th to October 15th or more frequently if specified by the underlying applicable requirement or elsewhere in this permit.
- b. The initial compliance certification for each emissions unit shall address all of the terms and conditions contained in the Tier I operating permit that are applicable to such emissions unit including emissions limitations, standards, and work practices;
- c. The compliance certification shall be in an itemized form providing the following information (provided that the identification of applicable information may cross-reference the permit or previous reports as applicable):
 - i. The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
 - ii. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period. Such methods and other means shall include, at a minimum, the methods and means required under Subsections 322.06, 322.07, and 322.08;

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- iii. The status of compliance with the terms and conditions of the Tier I operating permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in Subsection 322.11.c.ii. above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred; and
- iv. Such information as the Department may require to determine the compliance status of the emissions unit.
- d. All original compliance certifications shall be submitted to DEQ and a copy of all compliance certifications shall be submitted to the EPA.

[IDAPA 58.01.01.322.11, 4/6/05; 40 CFR 70.6(c)(5)(iii) as amended, 62 Fed. Reg. 54900, 54946 (10/22/97); 40 CFR 70.6(c)(5)(iv)]

General Provision 22 – False Statements

University of Idaho may not make any false statement, representation, or certification in any form, notice, or report required under this permit, or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

General Provision 23 – No Tampering

University of Idaho may not render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

General Provision 24 – Semiannual Monitoring Reports.

In addition to all applicable reporting requirements identified in this permit, University of Idaho shall submit reports of any required monitoring at least every six months. University of Idaho's semiannual reporting periods shall be from April 16th to October 15th and October 16th to April 15th. All instances of deviations from this operating permit's requirements must be clearly identified in the report. The semiannual reports shall be submitted to DEQ within 30 days of the end of the specified reporting period.

[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.322.08.c, 4/5/00; 40 CFR 70.6(a)(3)(iii)]

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General Provision 25 – Reporting Deviations and Excess Emissions

Each and every applicable requirement, including MRRR, is subject to prompt deviation reporting. Deviations due to excess emissions must be reported in accordance Sections 130-136. All instances of deviation from Tier I operating permit requirements must be included in the deviation reports. The reports must describe the probable cause of the deviation and any corrective action or preventative measures taken. Deviation reports must be submitted at least every six months unless the permit specifies a different time period as required by IDAPA 58.01.01.322.08.c. Examples of deviations include, but are not limited to, the following:

- Any situation in which an emissions unit fails to meet a permit term or condition
- Emission control device does not meet a required operating condition
- Observations or collected data that demonstrate noncompliance with an emissions standard
- Failure to comply with a permit term that requires a report

[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.135, 4/5/00; 40 CFR 70.6(a)(3)(iii)]

General Provision 26 – Permit Revision Not Required, Emissions Trading

No permit revision will be required, under any approved, economic incentives, marketable permits, emissions trading, and other similar programs or processes, for changes that are provided for in the permit.

[IDAPA 58.01.01.322.05.b, 4/5/00; 40 CFR 70.6(a)(8)]

General Provision 27 - Emergency

In accordance with IDAPA 58.01.01.332, an “emergency” as defined in IDAPA 58.01.01.008, constitutes an affirmative defense to an action brought for noncompliance with such technology-based emissions limitation if the conditions of IDAPA 58.01.01.332.02 are met.

[IDAPA 58.01.01.332.01, 4/5/00; 40 CFR 70.6(g)]

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6. REGULATORY REVIEW

6.1 Attainment Designation (40 CFR 81.313)

The University of Idaho facility is located in Latah County (AQCR 62) which is designated as attainment or unclassifiable for PM₁₀, PM_{2.5}, CO, NO₂, SO_x, and Ozone. Reference 40 CFR 81.313. The AIRS/AFS classification is unchanged by the issuance of this permit.

6.2 Title V Classification (IDAPA 58.01.01.300, 40 CFR Part 70)

The facility is a Tier I source in accordance with IDAPA 58.01.01.006.113. Therefore, the requirements of IDAPA 58.01.01.301 do apply. Refer to Section 7 below for details regarding applicability of the Tier I Minor Modification requirements under IDAPA 58.01.01.383.

6.3 PSD Classification (40 CFR 52.21)

For details regarding the PSD Classification for this facility, refer to the Statement of Basis for the Tier I renewal No. T1-2007.0082, issued on February 1, 2008. This information was not changed as a result of this project.

6.4 NSPS Applicability (40 CFR 60)

For details regarding NSPS applicability for this facility, refer to the Statement of Basis for the Tier I PTC No. P-2008.0079, issued on September 4, 2008. This information was not changed as a result of this project.

6.5 NESHAP Applicability (40 CFR 61)

For details regarding NESHAP applicability for this facility, refer to the Statement of Basis for the Tier I renewal No. T1-2007.0082, issued on February 1, 2008. This information was not changed as a result of this project.

6.6 MACT Applicability (40 CFR 63)

For details regarding MACT applicability for this facility, refer to the Statement of Basis for the Tier I renewal No. T1-2007.0082, issued on February 1, 2008. This information was not changed as a result of this project.

6.7 CAM Applicability (40 CFR 64)

For details regarding CAM applicability for this facility, refer to the Statement of Basis for the Tier I renewal No. T1-2007.0082, issued on February 1, 2008. This information was not changed as a result of this project.

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6.8 Acid Rain Permit (40 CFR 72-75)

For details regarding Acid Rain Permit applicability for this facility, refer to the Statement of Basis for the Tier I renewal No. T1-2007.0082, issued on February 1, 2008. This information was not changed as a result of this project.

7. PUBLIC COMMENT

This action is for a Tier I Minor Modification in accordance with IDAPA 58.01.01.383.03 which specifies the following:

“A Minor Modification is a permit revision that:

- b. “Any other permit modification that is not required to be processed as a significant permit modification under Section 382.”

In accordance with IDAPA 58.01.01.383.02.01 a significant permit modification is a permit revision for changes that:

- Violate an existing Tier I permit term or condition derived from an applicable requirement;
- Involve significant changes to existing monitoring, reporting or recordkeeping requirements in the permit. Every significant change in existing monitoring terms or conditions (except more frequent monitoring or reporting under Subsection 381.01.c.) and every relaxation of reporting or recordkeeping terms or conditions shall be considered significant;
- Require or change a case-by-case determination of an emission limitation or other standard; a source-specific determination for temporary sources of ambient impacts; or a visibility or increment analysis;
- Seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include, but are not limited to, an enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the Clean Air Act or an alternative emissions limit for an early reduction of hazardous air pollutants that was approved pursuant to regulations promulgated under 42 U.S.C. Section 7412(i)(5) of the Clean Air Act;
- Constitute a modification under any provision of Title I of the Clean Air Act;
- Could be processed as an administrative amendment or as a minor modification, except the permittee has requested the change be processed as a significant modification, including incorporating the requirements of a permit to construct that was issued by the Department in accordance with Subsection 209.05.a.

The permit modification to incorporate previously issued PTC No. P-2008.0079 meets these specified requirements. Therefore, this application will be processed as a Minor Modification.

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The requirements for providing an opportunity for comment to the public, affected states and the EPA for a Tier I Minor Modification are specified by IDAPA 58.01.01.383.03. These requirements are listed below:

- Within five (5) working days of receipt of a complete minor permit modification application, the Department shall notify EPA and the affected States of the requested permit modification and forward the forms completed by the applicant and other required information, if any, to the EPA and affected States. Affected States and EPA review shall occur simultaneously.
- On a quarterly basis or within five (5) working days of receiving an application demonstrating that the aggregate of a permittee's pending applications equals or exceeds the threshold level established in Subsection 383.01.c. above, whichever is earlier, the Department shall notify EPA and the affected States of the requested permit modification and forward the forms completed by the applicant and other required information, if any, to the EPA and affected States. Affected States and EPA review shall occur simultaneously.
- The Department shall promptly notify EPA and any affected States in writing including its reasons for not accepting any such recommendation if the Department refuses to accept all the timely recommendations submitted by affected States.
- Timetable for Issuance. The Department may not issue a final permit modification until after EPA's forty-five (45) day review period or until EPA has notified the Department that EPA will not object to issuance of the permit modification, whichever is first; although the Department can approve the permit modification prior to that time.
- Within ninety (90) days of the Department's receipt of a complete minor permit modification application or within fifteen (15) days after the end EPA's forty-five (45) day review period, whichever is later, the Department shall take one (1) of the following actions:
 - Issue the minor permit modification as proposed; or
 - Deny the minor permit modification application;

On that basis, an opportunity for EPA and any affected States and Tribes will be conducted for this Minor Modification permit to incorporate previously issued PTC P-2008.0079.

8. EPA REVIEW OF PROPOSED PERMIT

As required by IDAPA 58.01.01.366 and as discussed previously, DEQ provided the proposed permit to EPA Region 10 for its review and comment on DATE via e-mail. On DATE, EPA Region 10 responded to DEQ via e-mail indicating EPA RESPONSE.